

## **REMARKS**

Claims 3, 12, 13, 19, 20, 23, and 24 have been cancelled. Claims 2, 4-11, 14-18, 22, 26, and 28-37 have been amended to clarify the subject matter regarded as the invention. Claims 1, 2, 4-11, 14-18, 21-22, and 25-39 are pending.

Claims 2, 4-6, 8-11, 13-18, and 28-37 have been amended in a manner believed to overcome the Examiner's objections to those claims.

The Examiner has rejected Claims 1-2, 4-6, and 21 under 35 U.S.C. §112, second paragraph as being indefinite. The Examiner's rejection is respectfully traversed. Support for the clause, "wherein the phase difference is calculated by computing the cross correlation of each of the at least two training symbols and computing the self correlation between the cross correlation values of two training symbols" can be found, for example, in the Specification, in the paragraph beginning on page 5, line 8.

The Examiner has indicated that Claims 1, 2, 4-6, 21, and 25 are allowable.


The Examiner has rejected Claims 7-10, 14-17, 22, 26-30, 32-36, and 38-39 under 35 U.S.C. §103(a) as being unpatentable over Gardner et al. (6,707,856) in view of Dolle et al. (6,674,817). The Examiner has rejected Claims 11 and 31 under 35 U.S.C. §103(a) as being unpatentable over Gardner et al. and Dolle et al. in view of Buehrer et al. (6,515,978). The Examiner has rejected Claims 18 and 37 under 35 U.S.C. §103(a) as being unpatentable over Gardner et al. and Dolle et al. in view of Arima et al. (2003/0165185). The Examiner has also indicated that Claim 13 contains allowable subject matter. Claims 7-11, 14-18, 22, and 26-39 now each recite, directly, or indirectly, the limitations of Claim 13 ("wherein the classification determines the data rate of a field included in the packet that contains information about the data rate for another field in the packet"). It is therefore believed that Claims 7-11, 14-18, 22, and 26-39 are also allowable.

The foregoing amendments are not to be taken as an admission of unpatentability of any of the claims prior to the amendments.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

Respectfully submitted,

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